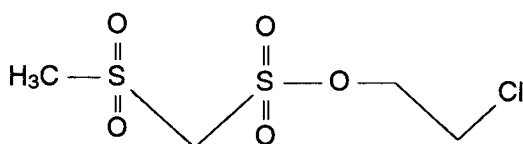


CLOMESONE

NSC - 338947



Chemical Name:

Methylsulfonylmethanesulfonic acid, 2-chlorethyl ester

CAS Registry Number: 88343-72-0

Molecular Formula: C₄H₉ClO₅S₂

M.W.: 236.7

Approximate Solubility:

(mg/mL)

Water	4
Acetate buffer, pH 4	6
Carbonate buffer, pH 9	6
0.1 N HCl	4
0.1 N Naoh	15
Ethanol (95%)	18
Methanol	> 50
Acetonitrile	> 50
DMSO	> 50

Stability:

Bulk:

Clomesone is stable at room temperature in light or dark conditions but is unstable when stored at 50 °C in both light and dark conditions.

Solution:

The t_{90} of an aqueous solution is 207 minutes.

High Performance Liquid Chromatography:

Column:	Altex Ultrasphere ODS, 5 μ , 250 x 4.6 mm i.d.
Mobile Phase:	CH ₃ CN/0.067 M phosphate buffer, pH 7.0 (25/75, v/v)
Flow Rate:	1.0 mL/min
Detection:	Refractive index
Sample Preparation:	Sample was dissolved in mobile phase.
Internal Standard:	acetophenone, 0.26 μ L/mL
Retention Volume:	9.5 mL (NSC 338947) 19.9 mL (I.S.)